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PATENT

IN THE SPECIFICATION

Please amend the paragraph starting on page 53, line 4 of the specification as follows:

Disclosed herein are systems for monitoring and controlling operating modes in a network transceiver having a decoder and an encoder, as well as methods of operating the same. According to an exemplary embodiment, a controller is introduced for use with the Ethernet transceiver. The controller is associated with the encoder and decoder, and operates to control operating modes of the Ethernet transceiver. The controller ~~comprises~~ includes both an encoder portion and a decoder portion. The encoder portion is operable to direct the encoder to encode data in one of an industry-compliant mode and a custom mode. The decoder portion is operable, in response to sensing data received in custom mode at the decoder, to direct: (i) the decoder to decode the received data in custom mode, and (ii) the encoder portion to direct the encoder to encode data in custom mode.